



Embedded Ethernet Modules and Switches

The Hirschmann™ Embedded Ethernet Modules (EEMs) combine advanced networking expertise with state-of-the-art industrial Ethernet technology and innovative automation hardware. Embedded Ethernet offers manufacturers of intelligent automation devices a ready solution to the Ethernet needs of their products. Hirschmann™'s Embedded Ethernet Modules incorporate network access right into the unit. Simultaneous integration in a network management system further increases the value, and offers the following benefits for:

- Intelligent sensors
- Measuring instruments
- I/O modules
- Distribution boxes
- Displays
- Valve clusters
- Motor starters, etc.



Example of Embedded Ethernet Switch EES25 on development kit

Embedded Ethernet Modules		
Type	Order No.	Description
EEM Profinet IO	942 019-001	Embedded Ethernet Module for integration of PROFINET functionality in automation devices
EEM EtherNet/IP	942 019-002	Embedded Ethernet Module for integration of EtherNet/IP functionality in automation devices
EEM EtherCAT	942 019-003	Embedded Ethernet Module for integration of EtherCAT functionality in automation devices
EEM Development Kit	942 017-001	Baseboard development kit for Embedded Ethernet Modules (EEM)
EEM XC161 Adaptor	942 018-001	Optional Adaptor for Phytex CPU

Embedded Ethernet Switches		
Type	Order No.	Description
EES20-0600UHIHSH2E	942 050-001	Managed Fast Ethernet Switch according to IEEE 802.3, store-and-forward-switching. 6 x Fast Ethernet ports, configurable as 100BaseTX or 100BaseFX, RX+/RX- and TX+/TX- signals per port. RSTP, Media Redundancy Protocol (MRP, IEC 62439-2), 200 ms recovery. PTPv2 (IEEE 1588-2008) transparent clock and boundary clock.
EES25-0600UHIHMH2E	942 050-002	Managed Fast Ethernet Switch according to IEEE 802.3, store-and-forward-switching. 6 x Fast Ethernet ports, configurable as 100BaseTX or 100BaseFX, RX+/RX- and TX+/TX- signals per port. RSTP, Fast Media Redundancy Protocol (Fast-MRP, IEC 62439-2), 10 ms recovery. PTPv2 (IEEE 1588-2008) transparent clock and boundary clock, IRIG-B output.
EES25-0600UHIHPH2E	942 050-003	Managed Fast Ethernet Switch according to IEEE 802.3, store-and forward-switching. 6 x Fast Ethernet ports, configurable as 100BaseTX or 100BaseFX, RX+/RX- and TX+/TX- signals per port. RSTP, Media Redundancy Protocol (MRP, IEC 62439-2), 200 ms recovery, Parallel Redundancy Protocol (PRP, IEC 62439-3) RedBox. PTPv2 (IEEE 1588-2008) transparent clock and boundary clock, IRIG-B output.
EES Development Kit	942 049-001	Development Kit for Embedded Ethernet Switches (EES)